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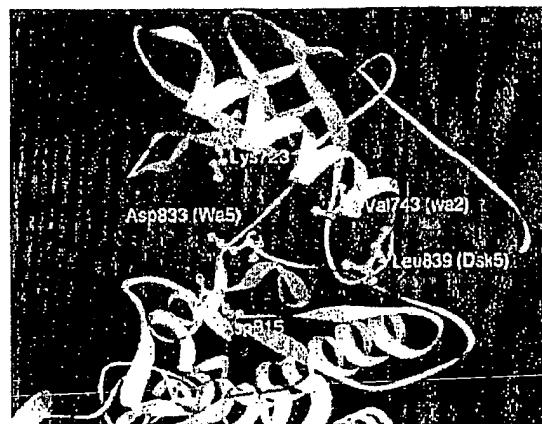
(54) Title: MODULATION OF EPIDERMAL GROWTH FACTOR HETERODIMER ACTIVITY

A

K	I	T	D	F	G	L	
+	AAG	ATC	ACA	GAT	TTT	GGG	CTG
Wa5	AAG	ATC	ACA	GCT	TTT	GGG	CTG
K	I	T	D	F	G	L	

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EGFR	K	I	T	D	F	G	L	A	K	L	L
FGFR1	K	I	A	D	F	G	L	-	R	D	I
SRC	K	V	A	D	F	G	L	A	R	L	I
LIMK1	V	V	A	D	F	G	L	A	R	L	M
MEK1	K	L	C	D	F	G	V	S	G	Q	L
PKA	Q	V	T	D	F	G	F	A	K	R	V
CDK1	K	L	A	D	F	G	L	A	R	A	F
CCK4	K	V	S	A	L	G	L	S	K	D	V
RYK	K	I	T	D	N	A	L	S	R	D	L

(57) Abstract: Provided is a method for screening a plurality of compounds for an ability to bind to a heterodimer of EGFR and another ERBB family member. Also provided are compounds that bind to heterodimers of EGFR and another ERBB family member, and methods of using the identified compounds to suppress the growth of a tumor associated with EGFR heterodimer activity in a subject.